RESPONSE TO AMENDMENT

1.   This communication is responsive to the RCE amendment received on August 11, 2008.

Claims 1-2, 6-8, 11-12, 16-18, 21-22, 26, 28, and 31 have been amended.

Claims 4, 14 and 24 have been cancelled.

Claims 1-3, 5-13, 15-23, 25-32 are pending further examination.

Continued Examination Under 37 CFR 1.114 1.

2.   A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible

for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been

timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR

1.114. Applicant's submission filed on August 11, 2008 has been entered.

The New Grounds of Rejection

3.   Applicant's amendment and arguments received on August 11, 2008 have been fully

considered, however they are deemed to be moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the
> differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been
> obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability
> shall not be negatived by the manner in which the invention was made.

5.   Claims 1-3, 5-13, 15-23, and 25-32 are rejected under 35 U.S.C. 103(a) as being

unpatentable over **Atkinson et al.,** (hereinafter referred to as Atkinson) U.S Patent Publication

No. **2002/0012329 A1** in view of **Chang et al.,** (hereinafter referred to as Chang) U.S Patent

Publication No **2002/0083121 A1** and further in view of **Hamilton, II et al.,** (hereinafter referred

to as Hamilton) U.S. Patent No. **7,107,330.**

6.   As to claim 1, Atkinson teaches a method that facilitates dynamic delivery of service

profiles to a client, comprising:

        performing a discovery operation to allow the client to discover new services on a

network (refer to Fig. 10, paragraph 0102, step 172 for example, wherein a phone discovers print

service in range);

        if a new service is discovered for which the client does not possess a service profile,

wherein the service profile specifies how to use the new service (refer to Fig. 10, paragraph

0102, step 173 for example, wherein the phones gathers print service information-print profile);

        wherein causing the client to obtain the service profile involves:

        causing the client to obtain the service profile from the new service (refer to Fig. 10,

paragraph 0102, steps 175 and 180 for example, wherein the printer send the profile and driver to

be installed on the phone).;

        causing the service profile to be installed on the client to enable the client to use the new

service (refer to Fig. 10, paragraph 0102, steps 175 and 180 for example, wherein the printer

send the profile and driver to be installed on the phone).

wherein the service profile includes a specification that describes how to use the new

service, and wherein causing the service profile to be installed on the client involves (refer to

Fig. 10, paragraph 0102, steps 175 and 180 for example, wherein the printer send the profile and

driver to be installed on the phone).

causing code to be generated to implement the specification (refer to Fig. 10, paragraph

0102, steps 175 and 180 for example, wherein the printer send the profile and driver to be

installed on the phone).), and

causing the code to be installed on the client (refer to Fig. 10, paragraph 0102, steps 175

and 180 for example, wherein the printer send the profile and driver to be installed on the

phone).

Atkinson teaches the claimed invention as discussed above. Atkinson does not explicitly

teach wherein the service profile is retrieved based on the type of device platform of the client,

causing the service provider to select the service profile based on the received type information

of the client and causing device-specific code to be generated to implement the specification and

to be installed on the client device.

Hamilton teaches a data processing system including a server computer system coupled

to multiple client computer systems for permitting the server to distribute a device driver to the

client computer systems which are each executing a different operating system. Hamilton further

teaches distributing a device driver to multiple client computer systems, each executing a

different operating system, by copying one of a plurality of different executable versions of the

device driver to a client and causing the client to install the version on the client (refer to abstract).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to incorporate the teaching of Hamilton into the invention of Atkinson in order to enable a provider to customize the drivers and code that it sends to the client device based on the capabilities of the client device. This enables device-specific drivers and software to be installed on the client device to facilitate communication with an intended device.

7.   As to claim 2, Atkinson teaches the method of claim 1, wherein causing the client to obtain the service profile involves: causing the client to send a request for the service profile to the service provider; and causing the client to receive the service profile from the service provider of the new service (refer to Fig. 10, paragraph 0102).

8.   As to claim 3, Atkinson teaches the method of claim 1, wherein the service profile includes code, and wherein causing the service profile to be installed on the client involves causing the code to be installed on the client (refer to Fig. 10, paragraph 0102).

9.   As to claim 4, Atkinson teaches the method of claim 1, wherein the service profile includes a specification that describes how to use the new service; and wherein causing the service profile to be installed on the client involves, causing code to be generated to implement the specification, and causing the code to be installed on the client (refer to Fig. 10, paragraph 0102).

10.   As to claim 5, Atkinson teaches the method of claim 1, wherein the service profile is

encoded in a universal form that can be executed by different types of clients (paragraph 0023

and 0064).

11.   As to claim 6, Atkinson teaches the claimed invention as discussed above. Atkinson does

not explicitly teach wherein the service profile is retrieved based on the type of device platform

of the client, causing the service provider to select the service profile based on the received type

information and causing device-specific code to be generated to implement the specification and

to be installed on the client device.

        Hamilton teaches a data processing system including a server computer system coupled

to multiple client computer systems for permitting the server to distribute a device driver to the

client computer systems which are each executing a different operating system. Hamilton further

teaches distributing a device driver to multiple client computer systems, each executing a

different operating system, by copying one of a plurality of different executable versions of the

device driver to a client and causing the client to install the version on the client (refer to

abstract).

        It would have been obvious to one of ordinary skill in the art at the time of applicant's

invention to incorporate the teaching of Hamilton into the invention of Atkinson in order to

enable a provider to customize the drivers and code that it sends to the client device based on the

capabilities of the client device. This enables device-specific drivers and software to be installed

on the client device to facilitate communication with an intended device.

12.   As to claim 7, Atkinson teaches the method of claim 1, wherein causing the client to

obtain the service profile from the new service involves executing a dynamic extension profile,

which implements a standard protocol that enables the client to acquire any profile the client

needs at the time the profile is needed (refer to Fig. 10, paragraph 0102).

13.   As to claim 8, Atkinson teaches the e method of claim 1, wherein performing the

discovery operation involves using the Bluetooth Service Discovery Protocol (SDP); and

wherein the client and the new service communicate using the Bluetooth networking standard

(refer to Fig. 10, paragraph 0102).

14.   As to claim 9, Atkinson teaches the method of claim 1, wherein the service profile can

define a service-specific Application Programming Interface (API) (refer to Fig. 10, paragraph

0102).

15.   As to claim 10, Atkinson teaches the method of claim 1, wherein the service profile

implements a domain-specific protocol stack associated with the new service (refer to Fig. 10,

paragraph 0102).

16.   Claims 11-13, 15-23, 25-32 do not teach or further define any limitations above claims 1-

3 and 5-10, therefore, they are rejected for similar reasons.

Response to Arguments

17.   Applicants' arguments with have been fully considered, however, they are deemed to be

moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached at 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Shawki S Ismail/
Examiner, Art Unit 2455
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